

	Application No.	Applicant(s)
Notice of Allowability	10/043,577	HARRES, DANIEL N.
Notice of Allowability	Examiner	Art Unit
	Qutub Ghulamali	2611
The MAILING DATE of this communication appe All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI	(OR REMAINS) CLOSED in this app or other appropriate communication GHTS. This application is subject to	lication. If not included will be mailed in due course. THIS
1. \boxtimes This communication is responsive to <u>8/4/2006</u> .	•	
2. X The allowed claim(s) is/are 2-11,13-22 and 24-30.	•	
3.	been received. been received in Application No cuments have been received in this rec	complying with the requirements S AMENDMENT or NOTICE OF tion is deficient.
Identifying indicia such as the application number (see 37 CFR 1. each sheet. Replacement sheet(s) should be labeled as such in the		
 DEPOSIT OF and/or INFORMATION about the deposit attached Examiner's comment regarding REQUIREMENT I 		
Attachment(s)	_	
1. Notice of References Cited (PTO-892)	5. Notice of Informal P	• •
 Notice of Draftperson's Patent Drawing Review (PTO-948) Information Disclosure Statements (PTO/SB/08), 	6. ☐ Interview Summary Paper No./Mail Dat 7. ☐ Examiner's Amendn	e
Paper No./Mail Date 4. Examiner's Comment Regarding Requirement for Deposit		nt of Reasons for Allowance
of Biological Material		nt of Reasons for Allowance

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DETAILED ACTION

1. This Office Action is responsive to the Remarks filed by the applicant on 08/04/2006.

Response to Remarks/Amendments

2. Applicant's remarks filed 08/04/2006, have been fully considered and as a result claims 2-11, 13-22, 24-30, are now indicated allowable.

Reasons for Allowance

- 3. Claims 2-11, 13-22, 24-30 allowed.
- 4. The following is an examiner's statement of reasons for allowance: The prior art of record in combination with other claimed limitations neither teaches nor renders obvious a decoder for decoding QAM signal comprising: wherein the at least one QAM signal is capable of being transmitted at a rate of t, wherein the at least one QAM signal includes at least one in-phase portion modulated by at least one carrier signal at a carrier frequency of fc, wherein at least one integrator is configured for integrating the in-phase portion of the at least one QAM signal, and wherein at least one tapped-delay line filter is configured for receiving the integrated in-phase portion of the at least one QAM signal and thereafter outputting a representation of at least one bit of the at least

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one n-bit digital signal, and wherein the number of delay elements of the at least one tapped-delay line filter is based on the number of bits n, the transmission rate t, and the carrier frequency fc.

Such limitations as recited in claims 5, 16 and 25 are neither anticipated nor rendered obvious by the prior art of record.

Claims 2-4, 6-11, 13-15, 17-22, 24, 26-30, are allowed by virtue of their dependency to independent claims highlighted above.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Qutub Ghulamali whose telephone number is (571) 272-3014. The examiner can normally be reached on Monday-Friday, 7:00AM - 4:30PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mohammad Ghayour can be reached on (571) 272-3021. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information

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for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

QG.

September 26, 2006.

MOHAMMED GHAYOUR SUPERVISORY PATENT EXAMINER